STANDARD FORM NO. 64

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Office Memorandum • UNITED STATES GOVERNMENT

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TO : The Files   November 1958   25X1

FROM :   25X1

SUBJECT: Conference Report, Contract [   ], Task Order 3   25X1

1. A conference was held on 18 November 1958 in Washington, D.C., with a representative of the [   ] to discuss the progress on Contract [   ], Task Order 3. Present at this conference were: 25X1 25X1 25X1

2. This meeting was held primarily to facilitate future planning for the high speed communications system, AS-4A. It has been agreed *as desirable* that the bandwidth of the AS-4A system should be reduced from its present 12.5 kc. Also, there is a requirement for a slow speed redundant teletype capability. The bandwidth can be reduced to 5.5 kc by overlapping the QFM pulses. This provides a 4.2 millisecond multipath protection which is considered more than adequate. The redundant system using a 7-bit Barker code would have a 7.5 kc bandwidth with 2.0 millisecond gap protection. Five options were presented by the [   ] for providing narrow banding of   25X1 the AS-4A system and/or the redundant capability. These options are as follows.

   a. narrow bandwidth, complete redundancy via AS-4 components-all terminals

   b. narrow bandwidth, redundancy via AS-5 components-RF terminals

   c. narrow bandwidth, redundancy via Longarm components-RF terminals only

   d. narrow bandwidth only

   e. narrow bandwidth, redundancy via AS-4 components-RF terminals only

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Attached are the approximate cost estimates and time schedules for doing this work under each option. The AS-5 option time schedule is unknown. No decision was made during the conference regarding these options. A further study of the various approaches will be made. _____ was again advised that the final decision will be dependent upon the outcome of the North Atlantic operational use of the AS-4A system starting in January 1959.

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Attachments:

Cost estimates and time schedules

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